AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS

1. (Previously Presented) A method for processing a speech signal comprising: extracting prosodic features from a speech signal; modeling the prosodic features to identify at least one speech endpoint; producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.

- 2. (Original) The method of claim 1 wherein the extracting step comprises: processing pitch information within the speech signal.
- 3. (Original) The method of claim 2 wherein the extracting step further comprises: determining a duration pattern; and performing pause analysis.
- 4. (Original) The method of claim 2 wherein the processing step comprises: generating a pitch contour; producing a pitch movement model from the pitch contour; and extracting at least one pitch parameter from the pitch movement model.
- 5. (Original) The method of claim 4 wherein the at least one pitch parameter is a pitch movement slope.
- 6. (Original) The method of claim 4 wherein the at least one pitch parameter is a difference between the pitch information in the speech signal and baseline pitch

information.

- 7. (Original) The method of claim 1 wherein the producing step comprises generating a posterior probability regarding the at least one speech endpoint.
- 8. (Original) The method of claim 7 wherein the posterior probability regarding a plurality of speaker states including a probability that a speaker has completed an utterance, a probability that the speaker is pausing due to hesitation, or a probability that the speaker is talking fluently.
- 9. (Original) The method of claim 8 where the posterior probability is continuously updated as the speech signal is processed.
- 10. (Original) The method of claim 1 further comprising:

 executing a speech recognition routine for processing the speech signal using the at least one speech endpoint.
- 11. (Previously Presented) Apparatus for processing a speech signal comprising:
 a prosodic feature extractor for extracting prosodic features from the speech signal;

a prosodic feature analyzer for modeling the prosodic features to identify at least one speech endpoint;

an endpoint signal producer that produces an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

means for providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.

12. (Original) The apparatus of claim 11 wherein the prosodic feature extractor comprises:

a pitch processor for processing pitch information within the speech signal.

13. (Original) The apparatus of claim 12 wherein the prosodic feature extractor further comprises:

means for determining a duration pattern; and means for performing pause analysis

- 14. (Original) The apparatus of claim 12 wherein the pitch processor comprises: means for generating a pitch contour; means for producing a pitch movement model from the pitch contour; and means for extracting at least one pitch parameter from the pitch movement model.
- 15. (Original) The apparatus of claim 14 wherein the at least one pitch parameter is a pitch movement slope.
- 16. (Original) The apparatus of claim 14 wherein the at least one pitch parameter is a difference between the pitch information in the speech signal and baseline pitch information.
- **17**. (Original) The apparatus of claim 11 wherein the endpoint signal producer comprises a posterior probability generator for generating a posterior probability regarding the at least one speech endpoint.
- 18. (Original) The apparatus of claim 17 wherein the posterior probability regarding a plurality of speaker states includes a probability that a speaker has completed an utterance, a probability that the speaker is pausing due to hesitation, or a probability that the speaker is talking fluently.
- 19. (Previously Presented) The apparatus of claim 18 where the posterior probability is continuously updated as the speech signal is processed.
- 20. (Previously Presented) The apparatus of claim 11 further comprising:

a computer for executing a speech recognition routine for processing the speech signal using the at least one speech endpoint.

(Previously Presented) An electronic storage medium for storing a program that, 21. when executed by a processor, causes a system to perform a method for processing a speech signal comprising:

extracting prosodic features from a speech signal;

modeling the prosodic features to identify at least one speech endpoint;

producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.

(New) A method for processing a speech signal comprising: 22.

extracting prosodic features from a speech signal by processing pitch information within the speech signal;

modeling the prosodic features to identify at least one speech endpoint;

producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.

- (New) Apparatus for processing a speech signal comprising: 23.
- a prosodic feature extractor for extracting prosodic features from the speech signal by processing pitch information within the speech signal;
- a prosodic feature analyzer for modeling the prosodic features to identify at least one speech endpoint;

an endpoint signal producer that produces an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

means for providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.

(New) An electronic storage medium for storing a program that, when executed 24. by a processor, causes a system to perform a method for processing a speech signal comprising:

extracting prosodic features from a speech signal by processing pitch information within the speech signal;

modeling the prosodic features to identify at least one speech endpoint;

producing an endpoint signal corresponding to the occurrence of the at least one speech endpoint; and

providing the endpoint signal and the speech signal to a speech processing application to facilitate subsequent processing of the speech signal.